

STRATHCONA NEWS

PROPOSED BRIDGES OVER THE MILL CREEK RAVINE

Report Submitted by City Engineer A. J. McLean, Upon Different Schemes—Cost Varied From \$6,000 to \$42,000 According to the Location and Material Used.

Next in importance to the city of Strathcona, along the line of main streets, is the question of the development of the Mill Creek ravine which forms a deep obstruction to easy access to a small bridge over the creek, but the heavy grade and the crossing of the rail of the E. Y. & P. make an impracticable one upon which to travel.

The citizens are now contemplating the construction of a bridge over the Mill Creek, either by raising the present bridge which is situated at the northern part of the ravine or by the construction of a new high level structure further up the stream toward the south on Whyte Avenue.

Some schemes are the matter which is taken up by the Board of Trade who favored the high level bridge at the present time. The report was submitted to the City Council who instructed the engineer to report on the different methods which would be best for the municipality. Mr. McLean's report was as follows:

To the Mayor and Council of Strathcona:—

Gentlemen:—I beg to submit the following report upon the proposed bridge over Mill Creek at Rutherford Park and a high level crossing Whyte Ave.

It is my consideration that the following three schemes be adopted upon three schemes in connection with this crossing.

This scheme upon which I have already reported includes the raising of the present bridge to a height of 10 feet to the level of the E. Y. & P. railway track and improving the roadway to a width of 20 feet.

The floor of the present bridge is nineteen feet above the level of the creek, the grade to be 900 feet of six per cent from the east approach, then 350 feet of level grade and 200 feet of six per cent to the west approach, the total distance of 2,500 feet. The embankment would have a top width of twenty-four feet, a bottom width of twenty-feet to allow for a drain two feet in width along the roadway.

In order to compare the cost of this scheme with the others, it is necessary to take into consideration the estimate to cover the construction of a steel span with a twenty foot roadway and four-foot sidewalks on each side of the road.

Approximate cost:

Previously estimated 4,072.00

One 40-foot span girder 1,800.00

6,872.00

Scheme "B":—

To raise the grade of the present bridge 24 feet 6 inches above the rails of the E. Y. & P. railway, allowing a roadway of 20 feet.

The new grade would be 44 feet above the floor of the present bridge and 220 feet above the level of the creek. The grades would be 900 feet of 6 per cent grade and 200 feet of 1.5 per cent grade to the east approach, 340 feet of 6 per cent to the west approach, 200 feet of 2 per cent on the west approach with a top level of trade grade between the two approaches.

The scheme would require 540 feet of steel girder, 34 feet of timber and 250 feet of earth fill. The steel girder would consist of plate girders supported by concrete piers and concrete pedestals on pile foundations.

Approximate cost: Steel girder with timber and concrete piers, 20-foot roadway and single track railway track, and two 4 feet sidewalk outside of rail.

Plate girders and towers 307,120.00

Timber and pile trestle 540

Concrete pedestals for towers 600

Pile foundations for pedestals 525

Earth fill 3,540

Superintendence, etc. 960

33,935

Scheme "C":—

To substitute timber and pile trestle for steel girder in scheme "B" and to raise the grade over creek with a similar roadway.

Approximate cost:

Timber and pile trestle \$10,900.00

One 40-ft. 6 ft. plate girder 1,800.00

Earth fill 3,540

Superintendence, etc. 450

460

10,620

Whyte Avenue Crossing:

For a steel girder 45 feet in length and a 20 foot roadway for vehicular traffic, 120 feet of timber and piles and two 4 foot sidewalks outside of roadway, 120 feet of timber and piles and two 4 foot sidewalks outside of roadway. The total distance of 1000 feet on a level grade throughout. The steel girder would be 30 feet, construction to that for scheme "B".

The cost of this girder would be \$37,125.

Plate girders and towers \$37,125

Timber and pile trestle, approach to viaduct and roadway 1,512.00

Concrete pedestals 600

Pile foundations for pedestals 400

Earth fill 1,080

Superintendence, etc. 300

300

33,935

Approximate cost:

Plate girders and towers \$37,125

Timber and pile trestle, approach to viaduct and roadway 1,512.00

Concrete pedestals 600

Pile foundations for pedestals 400

Earth fill 1,080

Superintendence, etc. 300

300

33,935

Superintendence, etc. 1,221

\$42,000

Scheme "C":—

To substitute timber and pile trestle for steel girder in scheme "D" except one steel span over creek with a timber and pile trestle.

Approximate cost:

Timber and pile trestle \$18,012

One 40-ft. 6 ft. plate girder 1,080

Superintendence, etc. 308

308

31,830

There will probably be land damage to timber and piles, but these I have not considered.

The accompanying profiles show the different schemes proposed.

A. J. MCLEAN, City Engineer.

STREET CAR SERVICE GOOD.

An excellent street car service was given last night by the large number of Strathcona people attending the grand opening of the new streetcar line.

Three cars were provided throughout the regular route at 11.05 and there was a big crush earlier in the evening in going over to Edmonton. It is evident that the new streetcar is much more comfortable if an announcement were made through the press or by sufficient cars. Last night a large number of people left before the cars came, so that the service could be provided.

STRATHCONA WINS SHIELD.

The Strathcona Cricket Society, led by Charles E. Cox was successful in their first year of existence in winning the shield in the Alberta Provincial and Canadian Festival, defeating Wetaskiwin cricket society in the competition.

Mr. Bennett, Mr. Cox, Mr. Cox, Mr. Whisboden, Mrs. Burgess, Mr. Whisboden, D. Brown, H. M. Widdowson, Mr. Widdowson, Mr. Duncan, Currie, M. Fluke, C. V. Houghton, G. W. Marriott, and C. Young.

MEET WINNIPEG VISITORS.

The Winnipeg delegation was

hosting the proposed Winnipeg Exposition and Selkirk centennial in Strathcona yesterday afternoon.

Mr. Pugsley pointed out that the ac

curious powers of the commission

had caused a great deal of trouble.

After a tour of the city a

large number of the visitors

in the Strathcona opera house which was largely attended.

The visitors included the chair

and the speakers were Major Stan

Evans, of Winnipeg; J. D. Hunt,

Mr. W. H. MacLean, of

Regina; J. McNeil, president of

the Manitoba Agricultural Society.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

The following conclusions were then

drawn:

Regulations Passed.

Major J. M. Douglas, president

of the Rutherford Park

and central committee of the

Strathcona after carefully consider-

ing the proposition of holding the

Winnipeg and Selkirk centen-

ial in Strathcona yesterday

met and decided to accept the

offer of the Mayor to forward

the application to the

Minister of Agriculture for

an order for a permit.

